Applicants or Patentees: Bashir Zikria, Jemal D. Zikria

Attorney's Docket No.: Zikria V

Serial or Patent No.: SN 08/837840 *(c.i.p. of Provisional Application SN60/015,963 filed 4/22/96)*

For: Capillary Membrane Stabilization and Reduction of Tissue Injury Through the Use of Biodegradable Micromolecules with Antioxidants and/or other Chemicals

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(b) - INDEPENDENT INVENTOR

As below named inventor hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled Capillary Membrane Stabilization and Reduction of Tissue Injury Through the Use of Biodegradable Micromolecules with Antioxidants and/or other Chemicals

    ( ) The specification filed herewith

    (x) Application as filed herewith SN 08/837840, filed April 22, 1997

    ( ) Patent No.   Issued

I have not assigned, granted, conveyed or licensed and are under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a non-profit organization under 37 CFR 1.9(e).

Each person, concern or organization to which we have assigned, granted, conveyed or licensed or are under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:

        (X) no such person, concern, or organization

        ( ) persons, concerns or organizations listed below*

* NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME

ADDRESS

        ( ) INDIVIDUAL   ( ) SMALL BUSINESS CONCERN   ( ) NONPROFIT ORG.

NAME

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I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United states Code, and that such willful false statements may jeopardize the validity of the application, and any patent issuing thereon, or any patent to which this verified statement is directed.

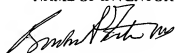BASHIR ZIKRIA   JEMAL D. ZIKRIA
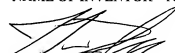NAME OF INVENTOR   NAME OF INVENTOR   NAME OF INVENTOR   NAME OF INVENTOR

Signature of Inventor   Signature of Inventor   Signature of Inventor   Signature of Inventor

Date 10/31/97   Date 10/31/97   Date   Date

Appl. No. 09/708,036

and connections between the processing elements representing respective connections between the network devices;

        supplying from the host processor to the connection engine a connection search request identifying start and end network devices for a connection;

        in response to the connection search request, communicating information between processing elements of the connection engine to determine a connection path between processing elements of the connection engine representing the start and end network devices for said connection; and

        supplying information identifying the connection path from the connection engine to the host processor;

        wherein each processing element of the connection engine has a respective address and the connections between the processing elements are constituted by packet communications using the respective addresses of the processing elements.

10. (Original)   A method as claimed in claim 9 wherein the connection search request comprises a connection search packet addressed to the processing element of the connection engine representing the start network device for the connection.

11. (Original)   A method as claimed in claim 10 wherein the step of communicating information between processing elements of the connection engine to determine said connection path comprises propagating connection search packets successively from processing elements receiving connection search packets to other processing elements connected thereto, the successively propagated connection search packets being supplemented with the addresses of the processing elements via which they are propagated, until at least one connection search packet reaches the processing element representing the end network device for the connection.

12. (Original)   A method as claimed in claim 10 wherein said information identifying said connection path is supplied from the connection engine to the host processor in a packet from the processing element of the connection engine representing the end network device

4

Appl. No. 09/708,036

for the connection.

13. (Currently amended)   A method as claimed in claim 7 9 and further comprising the
step of supplying from the host processor to the connection engine information for maintaining in
the connection engine a record of connections in the communications network.

14. (Currently amended)   A connection engine comprising a plurality of processing
elements and a connection matrix for interconnecting the processing elements, arranged for
carrying out the method of claim 7 9.

15. (Cancelled)

16. (Currently amended)   A method as claimed in claim 15 17 wherein the connection
engine comprises a plurality of processors each having a plurality of different instances
constituting respective ones of the processing elements, whereby the connection engine has a
smaller number of processors than the number of network devices of the communications
network.

17. (Currently amended)   A method as claimed in claim 15 of determining connection
paths in a communications network having connections between network devices managed by a
host processor of the network, comprising the steps of:

            representing each network device by a respective processing element of a
connection engine;

            representing each connection between the network devices by a respective
connection between the processing elements of the connection engine representing the respective
network devices;

            supplying from the host processor to the connection engine information for
maintaining in the connection engine a record of connections in the communications network;

            supplying from the host processor to the connection engine a connection search

5

Appl. No. 09/708,036

request identifying start and end network devices for a connection;

  in response to the connection search request, communicating information between processing elements of the connection engine, via the connections between the processing elements and in dependence upon the record of connections maintained in the connection engine, to determine a connection path between processing elements of the connection engine representing the start and end network devices; and

  supplying information identifying the connection path from the connection engine to the host processor;

  wherein each processing element of the connection engine has a respective address and the connections between the processing elements are constituted by packet communications using the respective addresses of the processing elements.

18. (Original) A method as claimed in claim 17 wherein the connection search request comprises a connection search packet addressed to the processing element of the connection engine representing the start network device for the connection, and said information identifying said connection path is supplied from the connection engine to the host processor in a packet from the processing element of the connection engine representing the end network device for the connection.

19. (Original) A method as claimed in claim 18 wherein the step of communicating information between processing elements to determine said connection path comprises propagating connection search packets successively from processing elements receiving connection search packets to other processing elements connected thereto, the successively propagated connection search packets being supplemented with the addresses of the processing elements via which they are propagated.

20. (Currently amended) A connection engine comprising a plurality of processing elements and a connection matrix for interconnecting the processing elements, arranged for carrying out the method of claim ~~15~~ 17.

6